

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082923\
 Data File : VU054982.D
 Acq On : 30 Aug 2023 02:28
 Operator : MD/SY
 Sample : 04173-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 04:01:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Aug 30 01:18:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

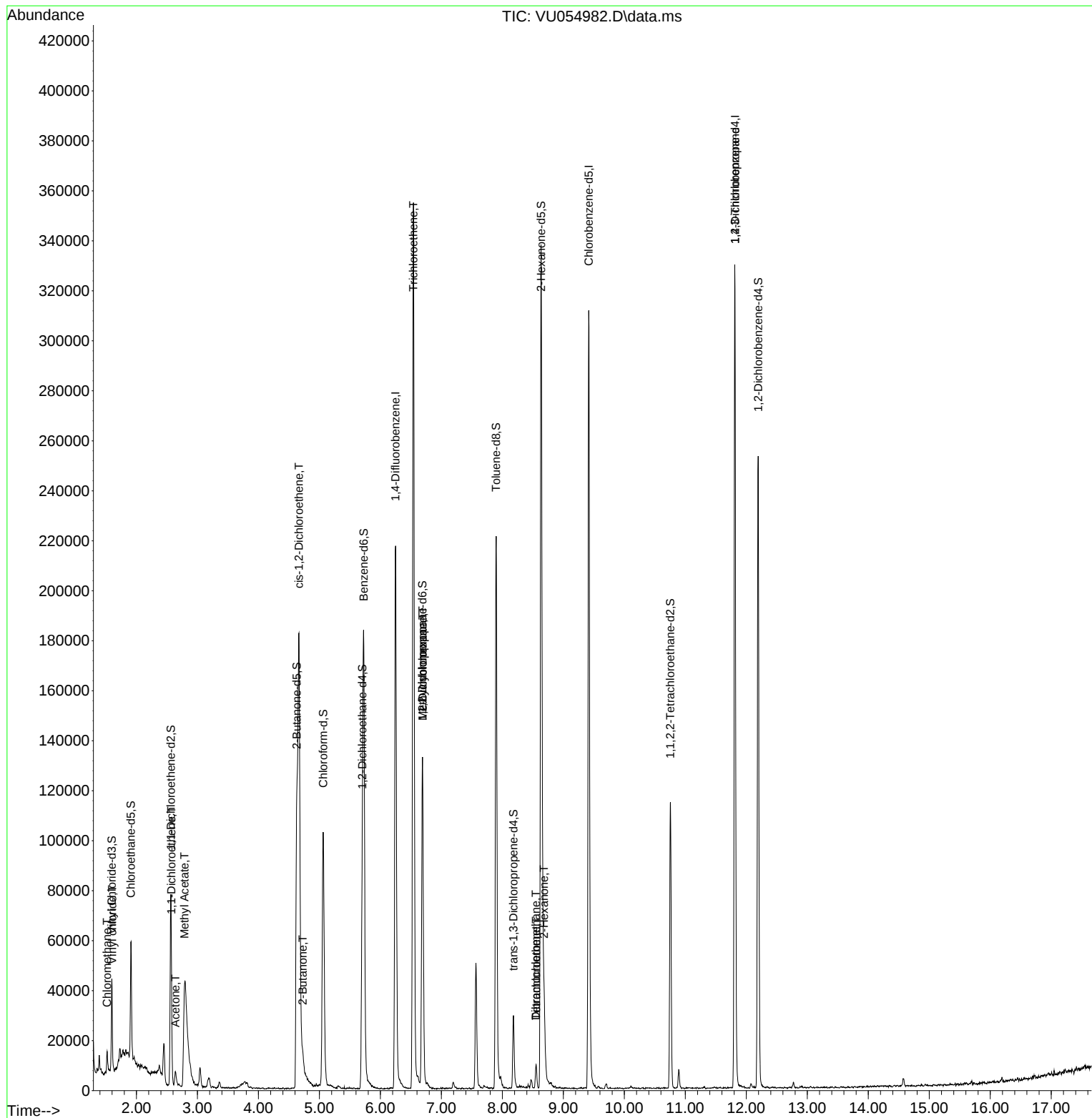
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	178351	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	168359	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	83180	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	24560	4.363	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.907	69	31473	4.328	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.600%
11) 1,1-Dichloroethene-d2	2.563	65	14318	4.500	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.000%
20) 2-Butanone-d5	4.628	46	173214	57.006	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.020%
24) Chloroform-d	5.062	84	92782	4.443	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.702	65	52491	4.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.727	84	169688	4.484	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
36) 1,2-Dichloropropane-d6	6.689	67	62616	4.704	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.898	98	150122	4.142	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
43) trans-1,3-Dichloroprop...	8.181	79	16925	3.864	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.200%
46) 2-Hexanone-d5	8.634	63	110804	53.296	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.600%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	55334	4.848	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	63571	4.787	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
3) Chloromethane	1.518	50	6528	0.566	ug/L	96
5) Vinyl chloride	1.602	62	1581	0.132	ug/L #	45
12) 1,1-Dichloroethene	2.573	96	1362	0.169	ug/L #	1
13) Acetone	2.637	43	8572	5.219	ug/L	100
15) Methyl Acetate	2.788	43	29999	8.922	ug/L #	51
21) 2-Butanone	4.724	43	16314	6.482	ug/L	87
22) cis-1,2-Dichloroethene	4.663	96	75610	7.206	ug/L	91
34) Trichloroethene	6.541	95	121883	11.073	ug/L	97
35) Methylcyclohexane	6.692	83	13756	0.845	ug/L #	19
37) 1,2-Dichloropropane	6.692	63	6982	0.631	ug/L #	90
47) Tetrachloroethene	8.554	164	2029	0.257	ug/L	94
48) 2-Hexanone	8.682	43	15375	3.363	ug/L #	84
49) Dibromochloromethane	8.550	129	2290	0.265	ug/L #	6
61) 1,2,3-Trichloropropane	11.814	75	11655	1.882	ug/L #	68

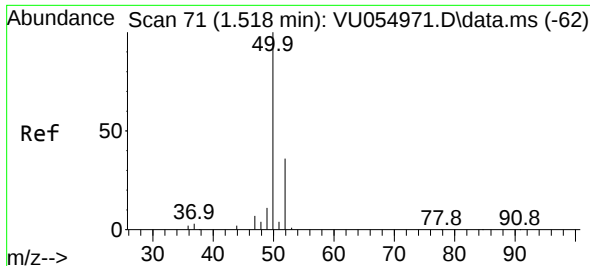
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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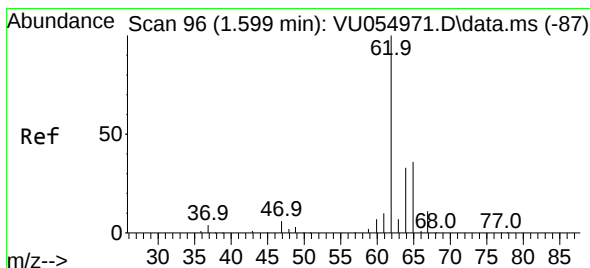
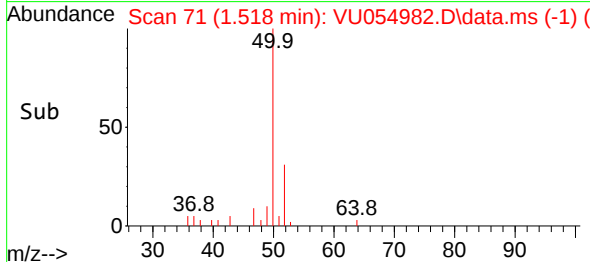
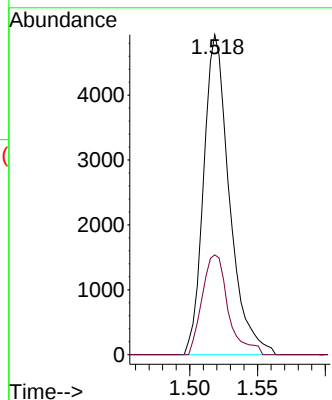
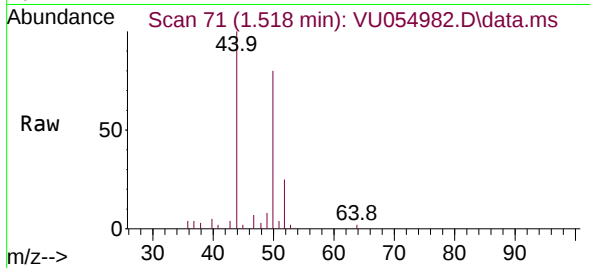




#3
Chloromethane
Concen: 0.566 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054982.D
Acq: 30 Aug 2023 02:28

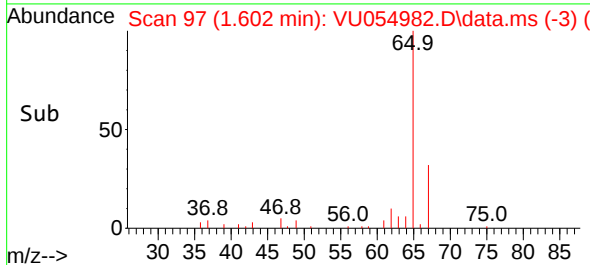
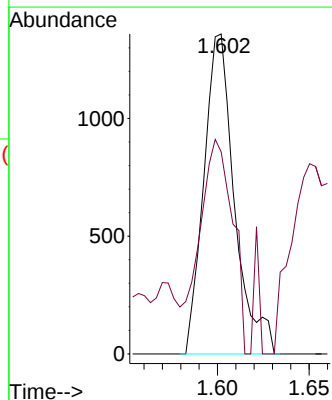
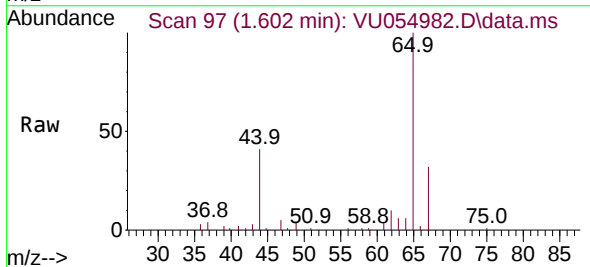
Instrument :
MSVOA_U
ClientSampleId :

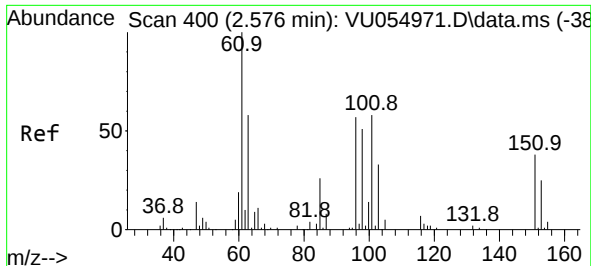
Tgt Ion: 50 Resp: 6528
Ion Ratio Lower Upper
50 100
52 31.2 23.4 43.6



#5
Vinyl chloride
Concen: 0.132 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU054982.D
Acq: 30 Aug 2023 02:28

Tgt Ion: 62 Resp: 1581
Ion Ratio Lower Upper
62 100
64 63.1 22.7 42.1#





#12

1,1-Dichloroethene

Concen: 0.169 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU054982.D

Acq: 30 Aug 2023 02:28

Instrument :

MSVOA_U

ClientSampleId :

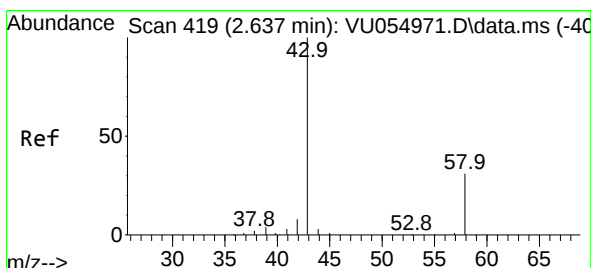
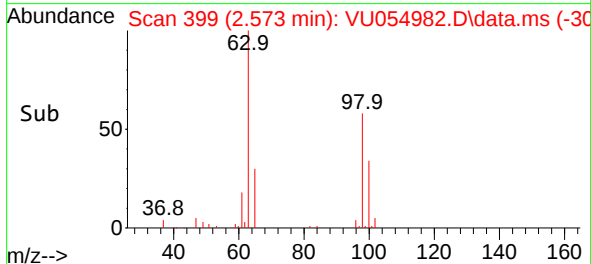
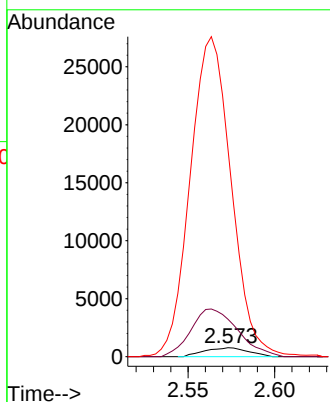
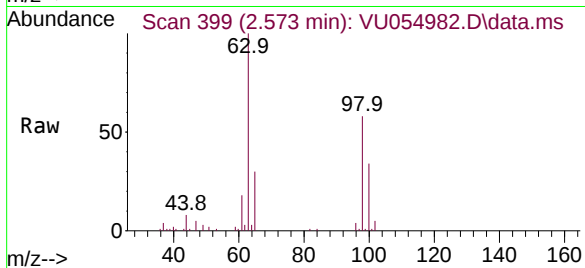
Tgt Ion: 96 Resp: 1362

Ion Ratio Lower Upper

96 100

61 419.9 132.4 245.8#

63 2328.3 82.5 153.1#



#13

Acetone

Concen: 5.219 ug/L

RT: 2.637 min Scan# 419

Delta R.T. 0.000 min

Lab File: VU054982.D

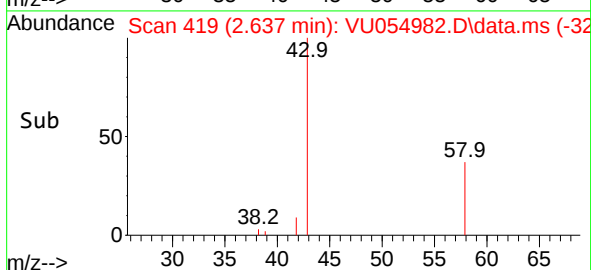
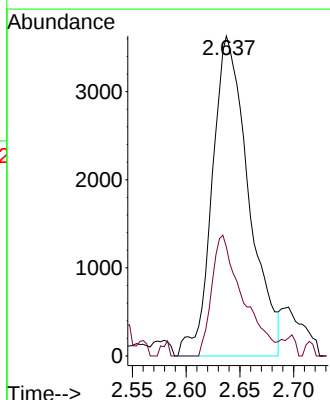
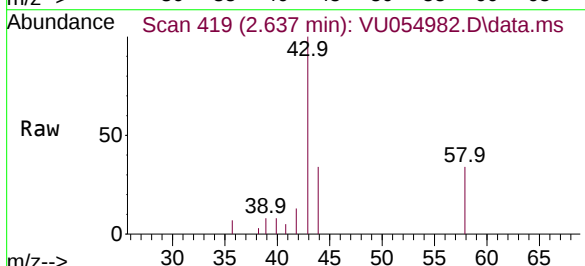
Acq: 30 Aug 2023 02:28

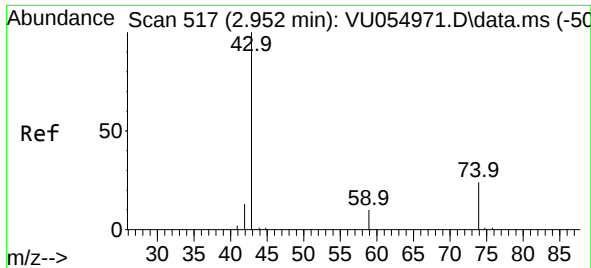
Tgt Ion: 43 Resp: 8572

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.4

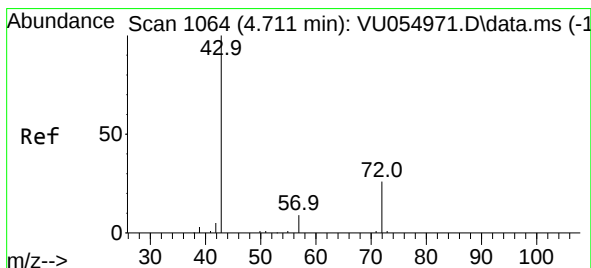
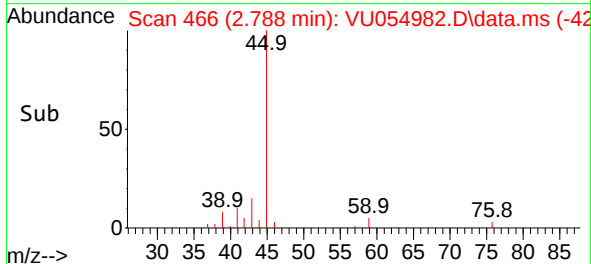
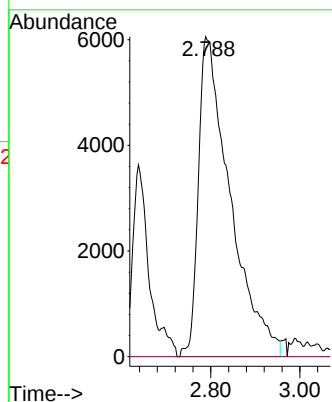
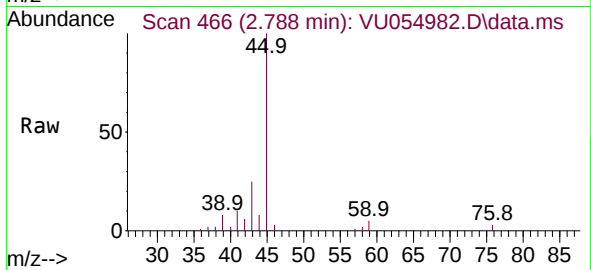




#15
Methyl Acetate
Concen: 8.922 ug/L
RT: 2.788 min Scan# 41
Delta R.T. -0.164 min
Lab File: VU054982.D
Acq: 30 Aug 2023 02:28

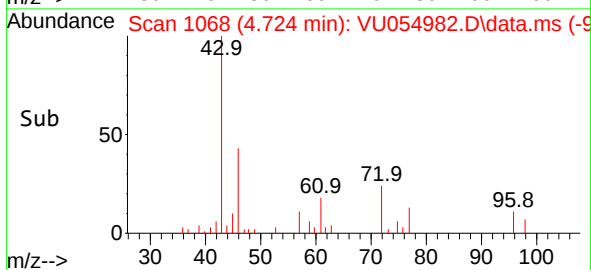
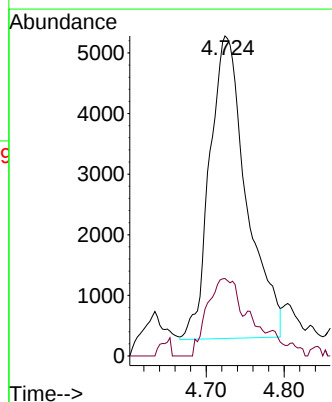
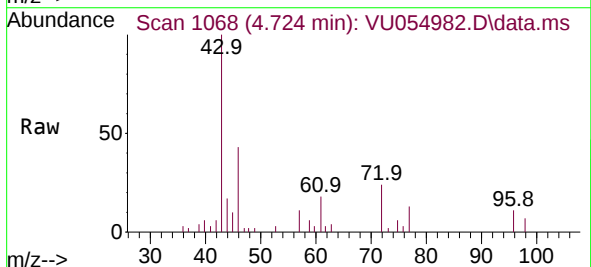
Instrument :
MSVOA_U
ClientSampleId :

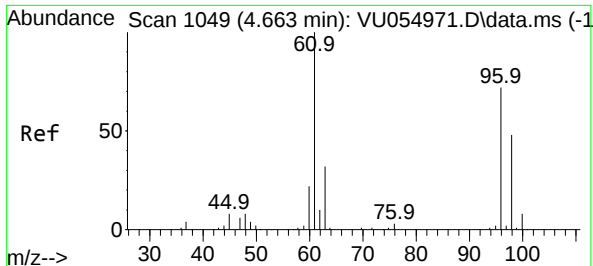
Tgt Ion: 43 Resp: 29999
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#21
2-Butanone
Concen: 6.482 ug/L
RT: 4.724 min Scan# 1068
Delta R.T. 0.013 min
Lab File: VU054982.D
Acq: 30 Aug 2023 02:28

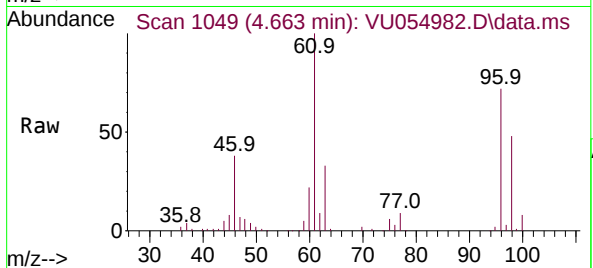
Tgt Ion: 43 Resp: 16314
Ion Ratio Lower Upper
43 100
72 21.5 14.1 42.3





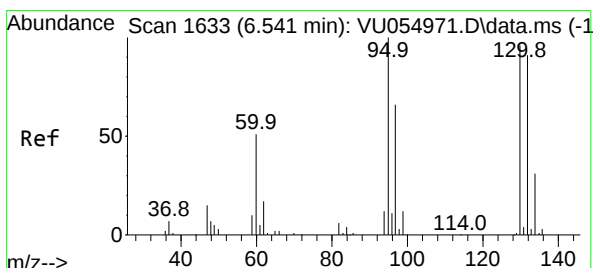
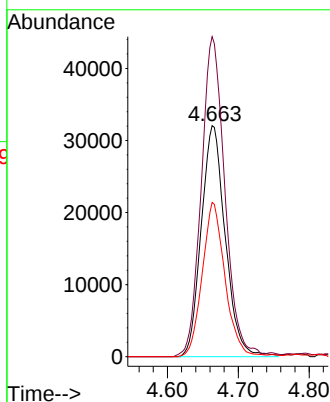
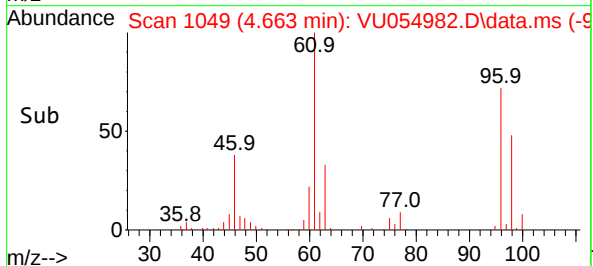
#22
 cis-1,2-Dichloroethene
 Concen: 7.206 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054982.D
 Acq: 30 Aug 2023 02:28

Instrument :
 MSVOA_U
 ClientSampleId :

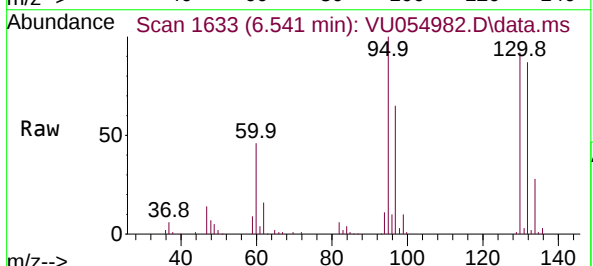


Tgt Ion: 96 Resp: 75610

Ion	Ratio	Lower	Upper
96	100		
61	138.5	88.4	164.2
98	66.8	44.0	81.6

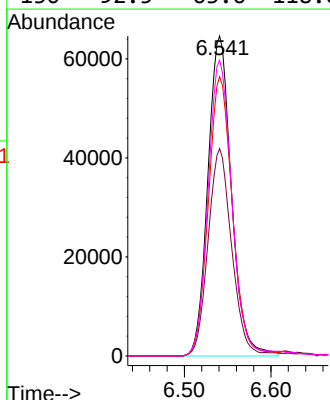
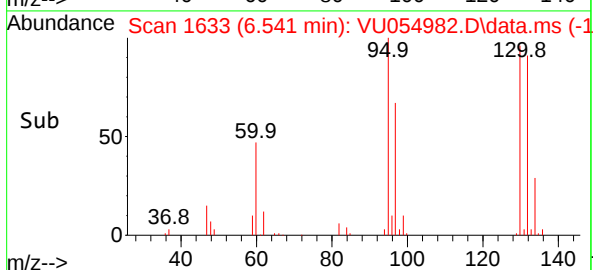


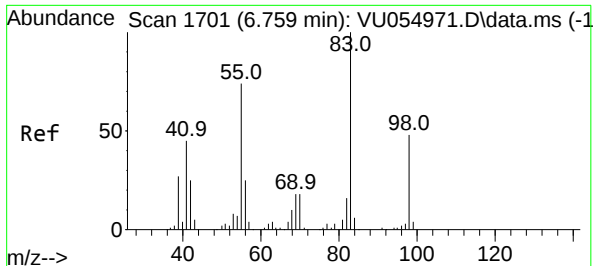
#34
 Trichloroethene
 Concen: 11.073 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. 0.000 min
 Lab File: VU054982.D
 Acq: 30 Aug 2023 02:28



Tgt Ion: 95 Resp: 121883

Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.1	81.9
132	87.2	63.6	118.2
130	92.5	63.6	118.0





#35

Methylcyclohexane

Concen: 0.845 ug/L

RT: 6.692 min Scan# 1680

Delta R.T. -0.067 min

Lab File: VU054982.D

Acq: 30 Aug 2023 02:28

Instrument :

MSVOA_U

ClientSampleId :

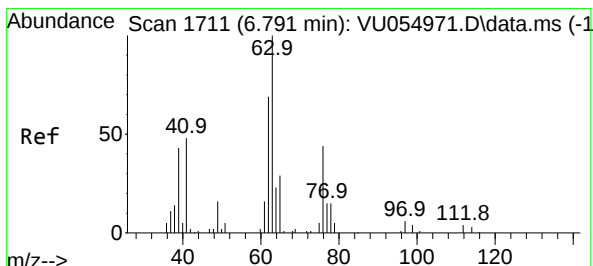
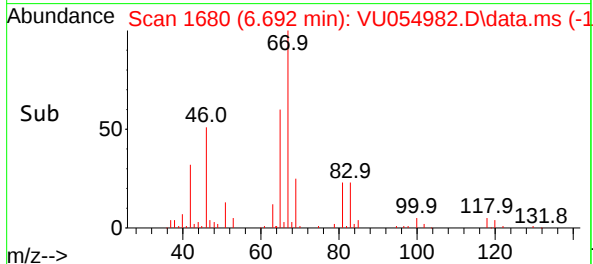
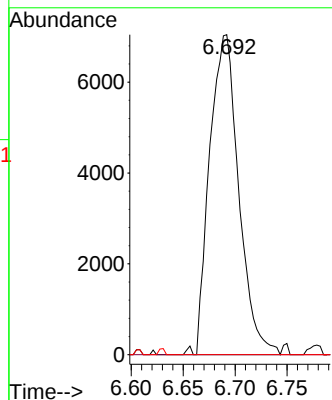
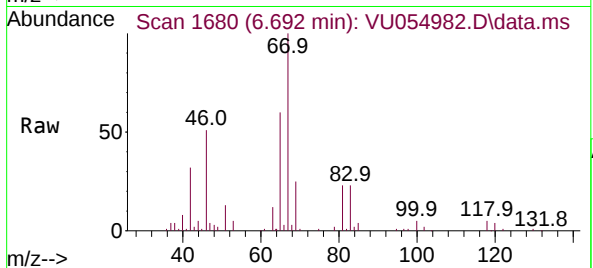
Tgt Ion: 83 Resp: 13756

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

98 1.8 37.8 56.6#



#37

1,2-Dichloropropane

Concen: 0.631 ug/L

RT: 6.692 min Scan# 1680

Delta R.T. -0.100 min

Lab File: VU054982.D

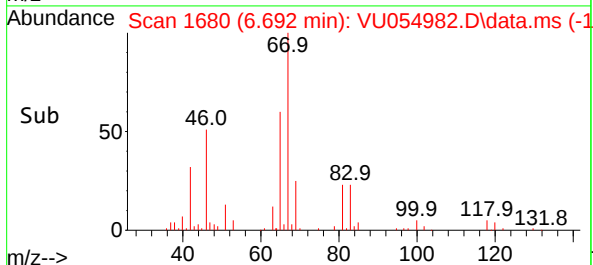
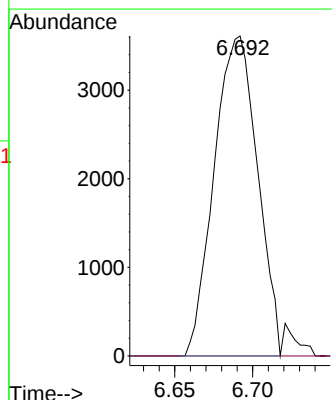
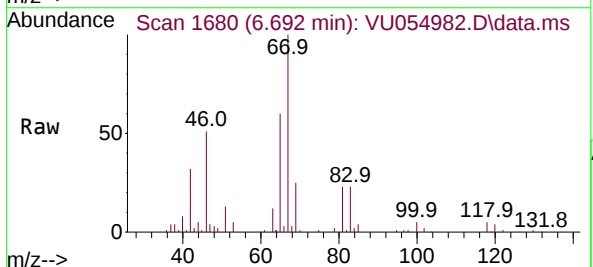
Acq: 30 Aug 2023 02:28

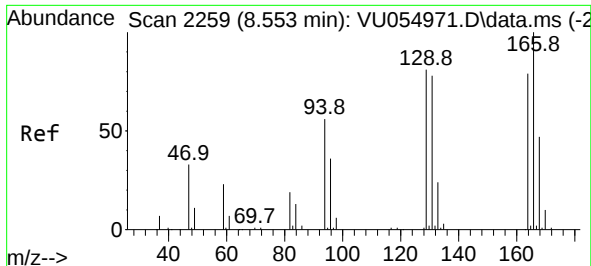
Tgt Ion: 63 Resp: 6982

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#





#47

Tetrachloroethene

Concen: 0.257 ug/L

RT: 8.554 min Scan# 21

Delta R.T. 0.000 min

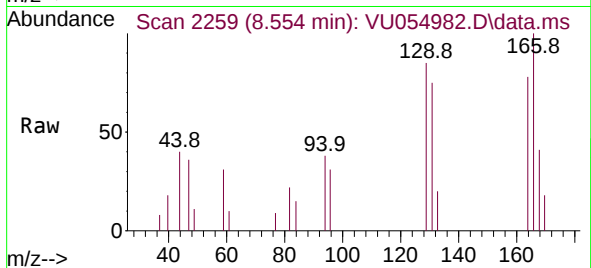
Lab File: VU054982.D

Acq: 30 Aug 2023 02:28

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 2029

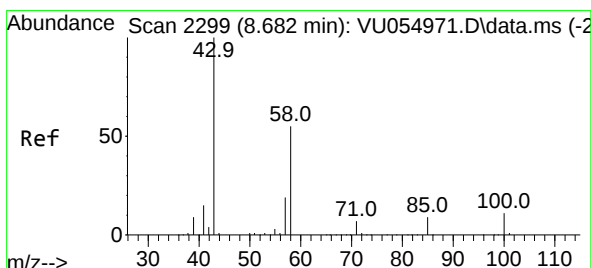
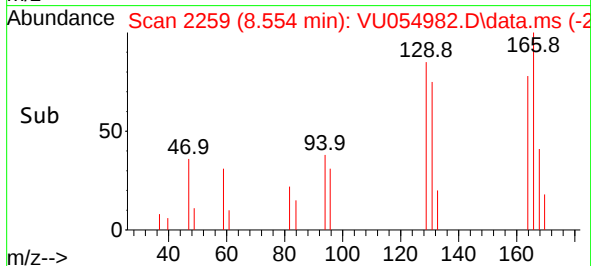
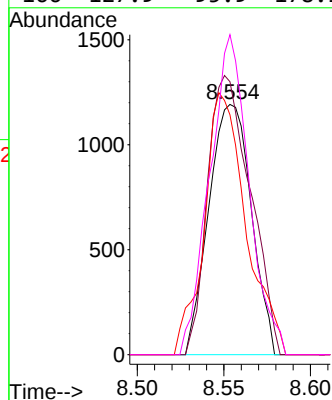
Ion Ratio Lower Upper

164 100

129 109.1 72.8 135.2

131 95.8 70.7 131.3

166 127.9 95.9 178.1



#48

2-Hexanone

Concen: 3.363 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. 0.000 min

Lab File: VU054982.D

Acq: 30 Aug 2023 02:28

Tgt Ion: 43 Resp: 15375

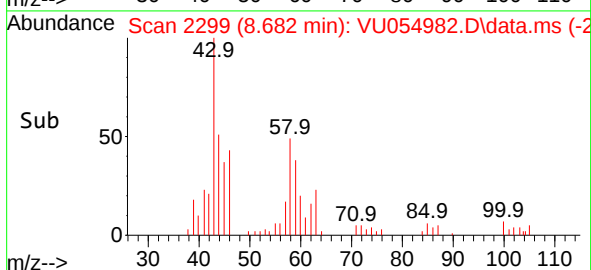
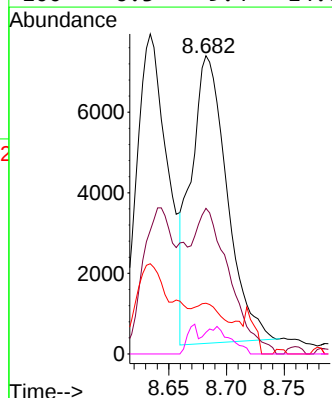
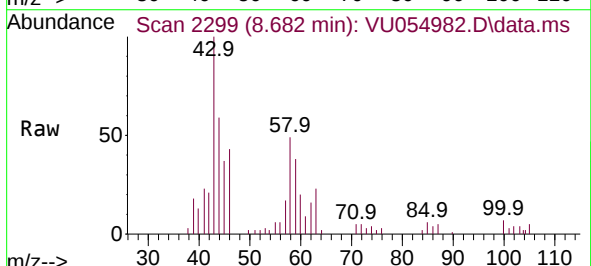
Ion Ratio Lower Upper

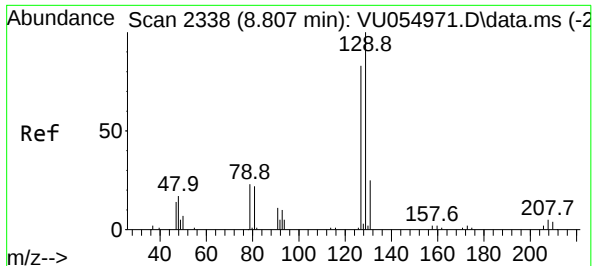
43 100

58 48.1 44.0 66.0

57 4.1 15.9 23.9#

100 6.3 9.4 14.0#





#49

Dibromochloromethane

Concen: 0.265 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU054982.D

Acq: 30 Aug 2023 02:28

Instrument :

MSVOA_U

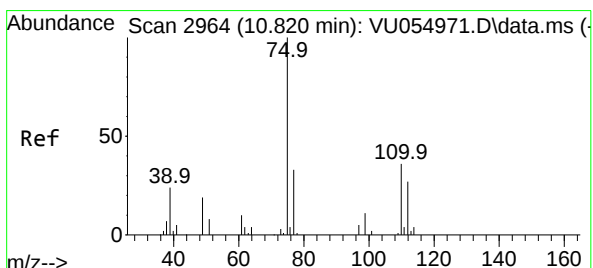
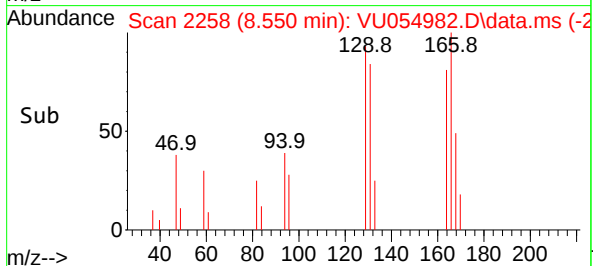
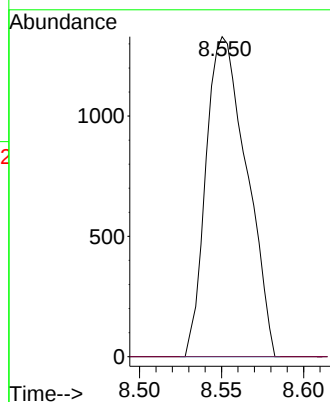
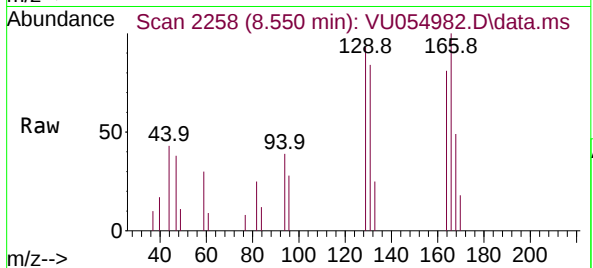
ClientSampleId :

Tgt Ion:129 Resp: 2290

Ion Ratio Lower Upper

129 100

127 0.0 60.5 112.5#



#61

1,2,3-Trichloropropane

Concen: 1.882 ug/L

RT: 11.814 min Scan# 3273

Delta R.T. 0.994 min

Lab File: VU054982.D

Acq: 30 Aug 2023 02:28

Tgt Ion: 75 Resp: 11655

Ion Ratio Lower Upper

75 100

110 1.2 29.0 43.6#

77 32.0 26.5 39.7

